

# SCORE Search Results Details for Application 10519539 and Search Result 20090128\_195529\_us-10-519-539a-127.rapbn.

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This page gives you Search Results detail for the Application 10519539 and Search Result 20090128\_195529\_us-10-519-539a-127.rapbn.

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OM protein - protein search, using sw model

Run on: January 29, 2009, 05:34:58 ; Search time 4 Seconds  
(without alignments)  
40.340 Million cell updates/sec

Title: US-10-519-539A-127  
Perfect score: 159  
Sequence: 1 GSRCIRRRISILFFVFRVLRSRRVLRSAEIYES 33

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 32394 seqs, 4889682 residues

Total number of hits satisfying chosen parameters: 32394

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_AA\_New:  
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:  
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:  
3: /ABSS/Data/CRF/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:  
4: /ABSS/Data/CRF/ptodata/2/pubpaa/US11\_NEW\_PUB.pep:  
5: /ABSS/Data/CRF/ptodata/2/pubpaa/US12\_NEW\_PUB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result	Query	%
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No.	Score	Match Length	DB	ID	Description
1	44	27.7	111	4 US-11-524-363-3344	Sequence 3344, Ap
2	44	27.7	111	4 US-11-801-901A-3344	Sequence 3344, Ap
3	41.5	26.1	575	5 US-12-054-231-13	Sequence 13, Appl
4	41	25.8	251	4 US-11-983-137-4	Sequence 4, Appl
5	41	25.8	360	3 US-10-532-547-39	Sequence 39, Appl
6	41	25.8	539	4 US-11-929-668-570	Sequence 570, App
7	41	25.8	614	5 US-12-126-772-5	Sequence 5, Appl
8	40	25.2	271	4 US-11-876-928-94	Sequence 94, Appl
9	40	25.2	324	4 US-11-524-363-3240	Sequence 3240, Ap
10	40	25.2	324	4 US-11-801-901A-3240	Sequence 3240, Ap
11	40	25.2	370	4 US-11-524-363-4976	Sequence 4976, Ap
12	40	25.2	370	4 US-11-801-901A-4976	Sequence 4976, Ap
13	39.5	24.8	306	4 US-11-524-363-4249	Sequence 4249, Ap
14	39.5	24.8	306	4 US-11-801-901A-4249	Sequence 4249, Ap
15	39	24.5	133	4 US-11-524-363-5002	Sequence 5002, Ap
16	39	24.5	133	4 US-11-801-901A-5002	Sequence 5002, Ap
17	38.5	24.2	264	4 US-11-524-363-2962	Sequence 2962, Ap
18	38.5	24.2	264	4 US-11-801-901A-2962	Sequence 2962, Ap
19	38	23.9	673	4 US-11-524-363-2860	Sequence 2860, Ap
20	38	23.9	673	4 US-11-801-901A-2860	Sequence 2860, Ap
21	37.5	23.6	77	4 US-11-524-363-4705	Sequence 4705, Ap
22	37.5	23.6	77	4 US-11-801-901A-4705	Sequence 4705, Ap
23	37	23.3	62	4 US-11-524-363-4247	Sequence 4247, Ap
24	37	23.3	62	4 US-11-801-901A-4247	Sequence 4247, Ap
25	37	23.3	563	4 US-11-524-363-3028	Sequence 3028, Ap
26	37	23.3	563	4 US-11-801-901A-3028	Sequence 3028, Ap
27	37	23.3	605	4 US-11-929-668-574	Sequence 574, App
28	36	22.6	214	4 US-11-524-363-4635	Sequence 4635, Ap
29	36	22.6	214	4 US-11-801-901A-4635	Sequence 4635, Ap
30	36	22.6	372	3 US-10-568-488-24	Sequence 24, Appl
31	36	22.6	1026	4 US-11-931-888-23	Sequence 23, Appl
32	36	22.6	1067	4 US-11-940-248-52	Sequence 52, Appl
33	35.5	22.3	314	4 US-11-524-363-4795	Sequence 4795, Ap
34	35.5	22.3	314	4 US-11-801-901A-4795	Sequence 4795, Ap
35	35.5	22.3	541	4 US-11-712-654-4	Sequence 4, Appl
36	35.5	22.3	541	4 US-11-768-156-2	Sequence 2, Appl
37	35	22.0	31	3 US-10-573-161-34	Sequence 34, Appl
38	35	22.0	31	3 US-10-573-161-39	Sequence 39, Appl
39	35	22.0	59	4 US-11-524-363-4616	Sequence 4616, Ap
40	35	22.0	59	4 US-11-801-901A-4616	Sequence 4616, Ap
41	35	22.0	96	4 US-11-524-363-3870	Sequence 3870, Ap
42	35	22.0	96	4 US-11-801-901A-3870	Sequence 3870, Ap
43	35	22.0	173	5 US-12-157-329-36	Sequence 36, Appl
44	35	22.0	214	4 US-11-524-363-3186	Sequence 3186, Ap
45	35	22.0	214	4 US-11-801-901A-3186	Sequence 3186, Ap

## ALIGNMENTS

## RESULT 1

US-11-524-363-3344

; Sequence 3344, Application US/11524363

; Publication No. US20080194004A1  
; GENERAL INFORMATION:  
; APPLICANT: Doucette-Stamm, Lynn  
; APPLICANT: Bush, David  
; APPLICANT: Zeng, Qiandong  
; APPLICANT: Opperman, Timothy  
; APPLICANT: Housewear, Chad Eric  
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
; FILE REFERENCE: 3687.1000-032  
; CURRENT APPLICATION NUMBER: US 11/524,363  
; CURRENT FILING DATE: 2006-09-20  
; PRIOR APPLICATION NUMBER: US 11/027,892  
; PRIOR FILING DATE: 2004-12-30  
; PRIOR APPLICATION NUMBER: US 10/640,833  
; PRIOR FILING DATE: 2003-08-14  
; PRIOR APPLICATION NUMBER: US 09/583,110  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/107,433  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/085,131  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: US 60/051,553  
; PRIOR FILING DATE: 1997-07-02  
; NUMBER OF SEQ ID NOS: 5324  
; SEQ ID NO 3344  
; LENGTH: 111  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-11-524-363-3344

Query Match 27.7%; Score 44; DB 4; Length 111;  
Best Local Similarity 33.3%; Pred. No. 1.2;  
Matches 11; Conservative 8; Mismatches 10; Indels 4; Gaps 2;  
  
Qy 4 CIRRISIL--FFVFRVLRSR--RVLRSAEIYE 32  
| :| : :| | ||::::| | || :||  
Db 58 CEKRPVGVLIRFLVFKLMKKRPNRFSLIFVYE 90

RESULT 2  
US-11-801-901A-3344  
; Sequence 3344, Application US/11801901A  
; Publication No. US20080194505A1  
; GENERAL INFORMATION  
; APPLICANT: Doucette-Stamm, Lynn  
; APPLICANT: Bush, David  
; APPLICANT: Zeng, Qiandong  
; APPLICANT: Opperman, Timothy  
; APPLICANT: Housewear, Chad Eric  
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
; FILE REFERENCE: 3687.1000-060  
; CURRENT APPLICATION NUMBER: US/11/801,901A  
; CURRENT FILING DATE: 2008-04-17

;
 PRIOR APPLICATION NUMBER: US 11/524,355  
 ;  
 PRIOR FILING DATE: 2006-09-20  
 ;  
 PRIOR APPLICATION NUMBER: US 11/027,892  
 ;  
 PRIOR FILING DATE: 2004-12-30  
 ;  
 PRIOR APPLICATION NUMBER: US 10/640,833  
 ;  
 PRIOR FILING DATE: 2003-08-14  
 ;  
 PRIOR APPLICATION NUMBER: US 09/583,110  
 ;  
 PRIOR FILING DATE: 2000-05-26  
 ;  
 PRIOR APPLICATION NUMBER: US 09/107,433  
 ;  
 PRIOR FILING DATE: 1998-06-30  
 ;  
 PRIOR APPLICATION NUMBER: US 60/085,131  
 ;  
 PRIOR FILING DATE: 1998-05-12  
 ;  
 PRIOR APPLICATION NUMBER: US 60/051,553  
 ;  
 PRIOR FILING DATE: 1997-07-02  
 ;  
 NUMBER OF SEQ ID NOS: 5326  
 ;  
 SEQ ID NO 3344  
 ;  
 LENGTH: 111  
 ;  
 TYPE: PRT  
 ;  
 ORGANISM: Streptococcus pneumoniae  
 US-11-801-901A-3344

Query Match                    27.7%; Score 44; DB 4; Length 111;  
 Best Local Similarity    33.3%; Pred. No. 1.2;  
 Matches    11; Conservative    8; Mismatches    10; Indels    4; Gaps    2;

Qy	4 CIRRISIL--FFVFRVLRSR--RVLRSAEIYE 32
	[ :  : :  :     :::::      :
Db	58 CEKRPVGVLIRFLVFKLMKKRPNRFSLIFVYE 90

RESULT 3  
 US-12-054-231-13  
 ; Sequence 13, Application US/12054231  
 ; Publication No. US20080241964A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: KAIEDA, Masaru  
 ; APPLICANT:IKEDA, Takashi  
 ; APPLICANT:NAKAHAMA, Kazumichi  
 ; TITLE OF INVENTION: Material for Improving Sensitivity of Magnetic Sensor and Method Thereof  
 ; FILE REFERENCE: 10060240US01  
 ; CURRENT APPLICATION NUMBER: US/12/054,231  
 ; CURRENT FILING DATE: 2008-03-24  
 ; PRIOR APPLICATION NUMBER: JP P2007-081942  
 ; PRIOR FILING DATE: 2007-03-27  
 ; PRIOR APPLICATION NUMBER: JP P2008-057728  
 ; PRIOR FILING DATE: 2008-03-07  
 ; NUMBER OF SEQ ID NOS: 20  
 ; SOFTWARE: PatentIn version 3.4  
 ; SEQ ID NO 13  
 ; LENGTH: 575  
 ; TYPE: PRT  
 ; ORGANISM: Artificial  
 ; FEATURE:  
 ; OTHER INFORMATION: HyHEL10 scFv fragment labeled with SiO2 affinity peptide

US-12-054-231-13

Query Match                26.1%; Score 41.5; DB 5; Length 575;  
 Best Local Similarity    52.2%; Pred. No. 21;  
 Matches    12; Conservative    2; Mismatches    4; Indels    5; Gaps    1;

Qy                1 GSRCIRRRISILFFFVFRVLRSSR 23  
                   ||| ||::| :||| |||  
 Db                253 GSRGRRRLSC----RLLRGRR 270

RESULT 4

US-11-983-137-4

; Sequence 4, Application US/11983137  
 ; Publication No. US20080241946A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: ECONS, Michael  
 ; APPLICANT:WHITE, Kenneth  
 ; APPLICANT:STROM, Tim  
 ; APPLICANT:MEITINGER, Thomas  
 ; TITLE OF INVENTION: NOVEL FIBROBLAST GROWTH FACTOR (FGF23) AND METHODS FOR USE  
 ; FILE REFERENCE: 053884-5001-DI1  
 ; CURRENT APPLICATION NUMBER: US/11/983,137  
 ; CURRENT FILING DATE: 2007-11-07  
 ; PRIOR APPLICATION NUMBER: 10379334  
 ; PRIOR FILING DATE: 2003-03-04  
 ; PRIOR APPLICATION NUMBER: 10/379,334  
 ; PRIOR FILING DATE: 2003-03-04  
 ; PRIOR APPLICATION NUMBER: 09/901,938  
 ; PRIOR FILING DATE: 2000-07-10  
 ; PRIOR APPLICATION NUMBER: 60/219,137  
 ; PRIOR FILING DATE: 2000-07-19  
 ; NUMBER OF SEQ ID NOS: 35  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4  
 ; LENGTH: 251  
 ; TYPE: PRT  
 ; ORGANISM: Mus sp.  
 US-11-983-137-4

Query Match                25.8%; Score 41; DB 4; Length 251;  
 Best Local Similarity    39.3%; Pred. No. 9.5;  
 Matches    11; Conservative    4; Mismatches    13; Indels    0; Gaps    0;

Qy                2 SRCIRRRISILFFFVFRVLRSSRVLRS 29  
                   |: : || : | :|| |||  
 Db                155 SQFLARRNEVPLLHFYTVPRRRHTRSAE 182

RESULT 5

US-10-532-547-39

; Sequence 39, Application US/10532547  
 ; Publication No. US20080213247A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: EXELIXIS, INC.

;
 TITLE OF INVENTION: MBMs AS MODIFIERS OF BRANCHING MORPHOGENESIS AND METHODS OF USE  
 ; FILE REFERENCE: EX03-075C-US  
 ; CURRENT APPLICATION NUMBER: US/10/532,547  
 ; CURRENT FILING DATE: 2005-04-22  
 ; PRIOR APPLICATION NUMBER: US 60/420,554  
 ; PRIOR FILING DATE: 2002-10-23  
 ; PRIOR APPLICATION NUMBER: US 60/436,941  
 ; PRIOR FILING DATE: 2002-12-30  
 ; NUMBER OF SEQ ID NOS: 62  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 39  
 ; LENGTH: 360  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-532-547-39

Query Match                25.8%; Score 41; DB 3; Length 360;  
 Best Local Similarity    30.0%; Pred. No. 14;  
 Matches    6; Conservative    8; Mismatches    6; Indels    0; Gaps    0;

Qy	11 ILFFVFRVRLRSRRVLRSAEI 30
	: ::::   : :    :
Db	126 ICYFLQYLRLKYIHSANV 145

## RESULT 6

US-11-929-668-570

;
 Sequence 570, Application US/11929668  
 ; Publication No. US20080213264A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: Bhatia, Ajay  
 ; APPLICANT:Skeiky, Yasir A.W.  
 ; APPLICANT:Probst, Peter  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TREATMENT AND  
 ; TITLE OF INVENTION:DIAGNOSIS OF CHLAMYDIAL INFECTION  
 ; FILE REFERENCE: 210121.469C16  
 ; CURRENT APPLICATION NUMBER: US/11/929,668  
 ; CURRENT FILING DATE: 2007-10-30  
 ; PRIOR APPLICATION NUMBER:  
 ; PRIOR FILING DATE:  
 ; PRIOR APPLICATION NUMBER: 10/872,155  
 ; PRIOR FILING DATE: 2004-06-18  
 ; PRIOR APPLICATION NUMBER: 09/620,412  
 ; PRIOR FILING DATE: 2000-07-20  
 ; PRIOR APPLICATION NUMBER: 09/598,419  
 ; PRIOR FILING DATE: 2000-06-20  
 ; PRIOR APPLICATION NUMBER: 09/556,877  
 ; PRIOR FILING DATE: 2000-04-19  
 ; PRIOR APPLICATION NUMBER: 09/454,684  
 ; PRIOR FILING DATE: 1999-12-03  
 ; PRIOR APPLICATION NUMBER: 09/426,571  
 ; PRIOR FILING DATE: 1999-10-22  
 ; PRIOR APPLICATION NUMBER: 09/410,568  
 ; PRIOR FILING DATE: 1999-10-01  
 ; PRIOR APPLICATION NUMBER: 09/288,594

;
 PRIOR FILING DATE: 1999-04-08  
 ; PRIOR APPLICATION NUMBER: 09/208,277  
 ; PRIOR FILING DATE: 1998-12-08  
 ; NUMBER OF SEQ ID NOS: 599  
 ; SOFTWARE: FastSEQ for Windows Version 3.0/4.0  
 ; SEQ ID NO 570  
 ; LENGTH: 539  
 ; TYPE: PRT  
 ; ORGANISM: C. Trachomatis D serovar  
 US-11-929-668-570

Query Match                25.8%; Score 41; DB 4; Length 539;  
 Best Local Similarity    56.2%; Pred. No. 23;  
 Matches    9; Conservative    2; Mismatches    5; Indels    0; Gaps    0;

Qy                18 VLRSSRVLRSAEIYES 33  
                   :|| | | ||: | |||  
 Db                254 ILRGGRVFRSSSIMES 269

## RESULT 7

US-12-126-772-5

;
 Sequence 5, Application US/12126772  
 ; Publication No. US20080312307A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: Takeda Pharmaceutical Company Limited  
 ; TITLE OF INVENTION: MAPK/ERK KINASE INHIBITORS  
 ; FILE REFERENCE: MEK-5007-U  
 ; CURRENT APPLICATION NUMBER: US/12/126,772  
 ; CURRENT FILING DATE: 2008-05-23  
 ; PRIOR APPLICATION NUMBER: 60/940,170  
 ; PRIOR FILING DATE: 2007-05-25  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO 5  
 ; LENGTH: 614  
 ; TYPE: PRT  
 ; ORGANISM: Artificial  
 ; FEATURE:  
 ; OTHER INFORMATION: Residues 1-379 of human ERK1 with an N-terminal GST tag.  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (1)..(235)  
 ; OTHER INFORMATION: N-terminal GST tag  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (236)..(614)  
 ; OTHER INFORMATION: Residues 1-379 of human ERK1  
 US-12-126-772-5

Query Match                25.8%; Score 41; DB 5; Length 614;  
 Best Local Similarity    30.0%; Pred. No. 27;  
 Matches    6; Conservative    8; Mismatches    6; Indels    0; Gaps    0;

Qy                11 ILFFVFRVLRSSRVLRSAEI 30

| :|:::|| : : || :  
Db 378 ICYFLYQILRGLKYIHSANV 397

## RESULT 8

US-11-876-928-94  
; Sequence 94, Application US/11876928  
; Publication No. US20080213285A1  
; GENERAL INFORMATION:  
; APPLICANT: SUBTIL-SANDS, AGATHE  
; APPLICANT: DAUTRY-VARSAT, ALICE  
; TITLE OF INVENTION: SECRETED CHLAMYDIA POLYPEPTIDES, POLYNUCLEOTIDES CODING THEREFOR,  
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES THEREOF  
; FILE REFERENCE: 249179US0  
; CURRENT APPLICATION NUMBER: US/11/876,928  
; CURRENT FILING DATE: 2007-10-23  
; PRIOR APPLICATION NUMBER: US/10/784,880  
; PRIOR FILING DATE: 2004-02-24  
; PRIOR APPLICATION NUMBER: US 60/448,879  
; PRIOR FILING DATE: 2003-02-24  
; NUMBER OF SEQ ID NOS: 378  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 94  
; LENGTH: 271  
; TYPE: PRT  
; ORGANISM: Chlamydia trachomatis  
US-11-876-928-94

Query Match 25.2%; Score 40; DB 4; Length 271;  
Best Local Similarity 38.9%; Pred. No. 15;  
Matches 7; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 12 LFFFVFRVLRSRRVLRSAE 29  
:|| ||: |:: : ||:  
Db 197 MFFFFRLFRTQILFRKAK 214

## RESULT 9

US-11-524-363-3240  
; Sequence 3240, Application US/11524363  
; Publication No. US20080194004A1  
; GENERAL INFORMATION:  
; APPLICANT: Doucette-Stamm, Lynn  
; APPLICANT: Bush, David  
; APPLICANT: Zeng, Qiandong  
; APPLICANT: Opperman, Timothy  
; APPLICANT: Housewaert, Chad Eric  
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
; FILE REFERENCE: 3687.1000-032  
; CURRENT APPLICATION NUMBER: US/11/524,363  
; CURRENT FILING DATE: 2006-09-20  
; PRIOR APPLICATION NUMBER: US 11/027,892  
; PRIOR FILING DATE: 2004-12-30  
; PRIOR APPLICATION NUMBER: US 10/640,833

;
 PRIOR FILING DATE: 2003-08-14  
 ; PRIOR APPLICATION NUMBER: US 09/583,110  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/107,433  
 ; PRIOR FILING DATE: 1998-06-30  
 ; PRIOR APPLICATION NUMBER: US 60/085,131  
 ; PRIOR FILING DATE: 1998-05-12  
 ; PRIOR APPLICATION NUMBER: US 60/051,553  
 ; PRIOR FILING DATE: 1997-07-02  
 ; NUMBER OF SEQ ID NOS: 5324  
 ; SEQ ID NO 3240  
 ; LENGTH: 324  
 ; TYPE: PRT  
 ; ORGANISM: Streptococcus pneumoniae  
 US-11-524-363-3240

Query Match                25.2%; Score 40; DB 4; Length 324;  
 Best Local Similarity    34.8%; Pred. No. 18;  
 Matches    8; Conservative    6; Mismatches    9; Indels    0; Gaps    0;

Qy	9 ISIILFFVFRVLRSRRVLRSAEIIY 31
	::     : :  :    :
Db	53 VTIILFFTWDILVETQVYRQELLY 75

RESULT 10  
 US-11-801-901A-3240  
 ; Sequence 3240, Application US/11801901A  
 ; Publication No. US20080194505A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: Doucette-Stamm, Lynn  
 ; APPLICANT: Bush, David  
 ; APPLICANT: Zeng, Qiandong  
 ; APPLICANT: Opperman, Timothy  
 ; APPLICANT: Houseweart, Chad Eric  
 ; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
 ; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
 ; FILE REFERENCE: 3687.1000-060  
 ; CURRENT APPLICATION NUMBER: US/11/801,901A  
 ; CURRENT FILING DATE: 2008-04-17  
 ; PRIOR APPLICATION NUMBER: US 11/524,355  
 ; PRIOR FILING DATE: 2006-09-20  
 ; PRIOR APPLICATION NUMBER: US 11/027,892  
 ; PRIOR FILING DATE: 2004-12-30  
 ; PRIOR APPLICATION NUMBER: US 10/640,833  
 ; PRIOR FILING DATE: 2003-08-14  
 ; PRIOR APPLICATION NUMBER: US 09/583,110  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/107,433  
 ; PRIOR FILING DATE: 1998-06-30  
 ; PRIOR APPLICATION NUMBER: US 60/085,131  
 ; PRIOR FILING DATE: 1998-05-12  
 ; PRIOR APPLICATION NUMBER: US 60/051,553  
 ; PRIOR FILING DATE: 1997-07-02  
 ; NUMBER OF SEQ ID NOS: 5326

; SEQ ID NO 3240  
; LENGTH: 324  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-11-801-901A-3240

Query Match 25.2%; Score 40; DB 4; Length 324;  
Best Local Similarity 34.8%; Pred. No. 18;  
Matches 8; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 9 ISIFFFFVFRVLRSRRVLRSAEIY 31  
::|||| : :| :| | :|  
Db 53 VTIFFFFWDILVETQVYRQELLY 75

RESULT 11

US-11-524-363-4976

; Sequence 4976, Application US/11524363

; Publication No. US20080194004A1

; GENERAL INFORMATION:

; APPLICANT: Doucette-Stamm, Lynn

; APPLICANT: Bush, David

; APPLICANT: Zeng, Qiandong

; APPLICANT: Opperman, Timothy

; APPLICANT: Housewright, Chad Eric

; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics

; FILE REFERENCE: 3687.1000-032

; CURRENT APPLICATION NUMBER: US/11/524,363

; CURRENT FILING DATE: 2006-09-20

; PRIOR APPLICATION NUMBER: US 11/027,892

; PRIOR FILING DATE: 2004-12-30

; PRIOR APPLICATION NUMBER: US 10/640,833

; PRIOR FILING DATE: 2003-08-14

; PRIOR APPLICATION NUMBER: US 09/583,110

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/107,433

; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: US 60/085,131

; PRIOR FILING DATE: 1998-05-12

; PRIOR APPLICATION NUMBER: US 60/051,553

; PRIOR FILING DATE: 1997-07-02

; NUMBER OF SEQ ID NOS: 5324

; SEQ ID NO 4976

; LENGTH: 370

; TYPE: PRT

; ORGANISM: Streptococcus pneumoniae

US-11-524-363-4976

Query Match 25.2%; Score 40; DB 4; Length 370;  
Best Local Similarity 50.0%; Pred. No. 21;  
Matches 9; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 13 FFVFRVLRSRRVLRSAEI 30  
|||| | :| |:| |:

Db 29 FFVFNVNYTREVVRQEM 46

## RESULT 12

US-11-801-901A-4976  
; Sequence 4976, Application US/11801901A  
; Publication No. US20080194505A1  
; GENERAL INFORMATION  
; APPLICANT: Doucette-Stamm, Lynn  
; APPLICANT: Bush, David  
; APPLICANT: Zeng, Qiandong  
; APPLICANT: Opperman, Timothy  
; APPLICANT: Houseweart, Chad Eric  
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
; FILE REFERENCE: 3687.1000-060  
; CURRENT APPLICATION NUMBER: US/11/801,901A  
; CURRENT FILING DATE: 2008-04-17  
; PRIOR APPLICATION NUMBER: US 11/524,355  
; PRIOR FILING DATE: 2006-09-20  
; PRIOR APPLICATION NUMBER: US 11/027,892  
; PRIOR FILING DATE: 2004-12-30  
; PRIOR APPLICATION NUMBER: US 10/640,833  
; PRIOR FILING DATE: 2003-08-14  
; PRIOR APPLICATION NUMBER: US 09/583,110  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/107,433  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/085,131  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: US 60/051,553  
; PRIOR FILING DATE: 1997-07-02  
; NUMBER OF SEQ ID NOS: 5326  
; SEQ ID NO 4976  
; LENGTH: 370  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-11-801-901A-4976

Query Match 25.2%; Score 40; DB 4; Length 370;  
Best Local Similarity 50.0%; Pred. No. 21;  
Matches 9; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 13 FFVFRVLRSRRVILRSAEI 30

|||| | :| |:| |:

Db 29 FFVFNVNYTREVVRQEM 46

## RESULT 13

US-11-524-363-4249  
; Sequence 4249, Application US/11524363  
; Publication No. US20080194004A1  
; GENERAL INFORMATION:  
; APPLICANT: Doucette-Stamm, Lynn  
; APPLICANT: Bush, David

;
 APPLICANT: Zeng, Qiandong  
 APPLICANT: Opperman, Timothy  
 APPLICANT: Housewear, Chad Eric  
 TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
 TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
 FILE REFERENCE: 3687.1000-032  
 CURRENT APPLICATION NUMBER: US/11/524,363  
 CURRENT FILING DATE: 2006-09-20  
 PRIOR APPLICATION NUMBER: US 11/027,892  
 PRIOR FILING DATE: 2004-12-30  
 PRIOR APPLICATION NUMBER: US 10/640,833  
 PRIOR FILING DATE: 2003-08-14  
 PRIOR APPLICATION NUMBER: US 09/583,110  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 09/107,433  
 PRIOR FILING DATE: 1998-06-30  
 PRIOR APPLICATION NUMBER: US 60/085,131  
 PRIOR FILING DATE: 1998-05-12  
 PRIOR APPLICATION NUMBER: US 60/051,553  
 PRIOR FILING DATE: 1997-07-02  
 NUMBER OF SEQ ID NOS: 5324  
 SEQ ID NO 4249  
 LENGTH: 306  
 TYPE: PRT  
 ORGANISM: Streptococcus pneumoniae  
 US-11-524-363-4249

Query Match 24.8%; Score 39.5; DB 4; Length 306;  
 Best Local Similarity 35.7%; Pred. No. 20;  
 Matches 10; Conservative 6; Mismatches 9; Indels 3; Gaps 1;

Qy	6 RRRI---SILFFVFRVLRSRRVLRSAEI 30
	:       ::     :
Db	96 RRRILYCHLVFFFRLRVQDTKRIFLQATL 123

## RESULT 14

US-11-801-901A-4249

; Sequence 4249, Application US/11801901A

; Publication No. US20080194505A1

## ; GENERAL INFORMATION

; APPLICANT: Doucette-Stamm, Lynn

; APPLICANT: Bush, David

; APPLICANT: Zeng, Qiandong

; APPLICANT: Opperman, Timothy

; APPLICANT: Housewear, Chad Eric

; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics

; FILE REFERENCE: 3687.1000-060

; CURRENT APPLICATION NUMBER: US/11/801,901A

; CURRENT FILING DATE: 2008-04-17

; PRIOR APPLICATION NUMBER: US 11/524,355

; PRIOR FILING DATE: 2006-09-20

; PRIOR APPLICATION NUMBER: US 11/027,892

; PRIOR FILING DATE: 2004-12-30

;
 PRIOR APPLICATION NUMBER: US 10/640,833  
 ;  
 PRIOR FILING DATE: 2003-08-14  
 ;  
 PRIOR APPLICATION NUMBER: US 09/583,110  
 ;  
 PRIOR FILING DATE: 2000-05-26  
 ;  
 PRIOR APPLICATION NUMBER: US 09/107,433  
 ;  
 PRIOR FILING DATE: 1998-06-30  
 ;  
 PRIOR APPLICATION NUMBER: US 60/085,131  
 ;  
 PRIOR FILING DATE: 1998-05-12  
 ;  
 PRIOR APPLICATION NUMBER: US 60/051,553  
 ;  
 PRIOR FILING DATE: 1997-07-02  
 ;  
 NUMBER OF SEQ ID NOS: 5326  
 ;  
 SEQ ID NO 4249  
 ;  
 LENGTH: 306  
 ;  
 TYPE: PRT  
 ;  
 ORGANISM: Streptococcus pneumoniae  
 US-11-801-901A-4249

Query Match                    24.8%; Score 39.5; DB 4; Length 306;  
 Best Local Similarity    35.7%; Pred. No. 20;  
 Matches    10; Conservative    6; Mismatches    9; Indels    3; Gaps    1;

Qy	6 RRRI---SILFFVFRVLRSRRVLRSAEI 30
	:       :: :   :
Db	96 RRRILYCHLVFFFRLRVQDTKRIFLQATL 123

## RESULT 15

US-11-524-363-5002

;
 Sequence 5002, Application US/11524363  
 ; Publication No. US20080194004A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Doucette-Stamm, Lynn  
 ; APPLICANT: Bush, David  
 ; APPLICANT: Zeng, Qiandong  
 ; APPLICANT: Opperman, Timothy  
 ; APPLICANT: Housewear, Chad Eric  
 ; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus  
 ; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics  
 ; FILE REFERENCE: 3687.1000-032  
 ; CURRENT APPLICATION NUMBER: US/11/524,363  
 ; CURRENT FILING DATE: 2006-09-20  
 ; PRIOR APPLICATION NUMBER: US 11/027,892  
 ; PRIOR FILING DATE: 2004-12-30  
 ; PRIOR APPLICATION NUMBER: US 10/640,833  
 ; PRIOR FILING DATE: 2003-08-14  
 ; PRIOR APPLICATION NUMBER: US 09/583,110  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/107,433  
 ; PRIOR FILING DATE: 1998-06-30  
 ; PRIOR APPLICATION NUMBER: US 60/085,131  
 ; PRIOR FILING DATE: 1998-05-12  
 ; PRIOR APPLICATION NUMBER: US 60/051,553  
 ; PRIOR FILING DATE: 1997-07-02  
 ; NUMBER OF SEQ ID NOS: 5324  
 ; SEQ ID NO 5002

; LENGTH: 133  
; TYPE: PRT  
; ORGANISM: Streptococcus pneumoniae  
US-11-524-363-5002

Query Match 24.5%; Score 39; DB 4; Length 133;  
Best Local Similarity 35.0%; Pred. No. 9.4;  
Matches 7; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 13 FFVFRVLRSRRVLRSAEIYE 32  
||:|::: : | | :| |  
Db 78 FFIFKLINNMILYSMKIKE 97

Search completed: January 29, 2009, 05:35:02

Job time : 4 secs

SCORE 3.0